

Form PTO 1449 US Department of Commerce Patent and Trademark Office MAR 03 2003	ATTY DOCKET NO: P-LJ 5037	SERIAL NO. 10/001,254
	APPLICANT: Reed et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE: November 15, 2001	GROUP: 1642

### U.S. PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE

RECEIVED  
MAR 05 2003

### FOREIGN PATENT DOCUMENTS

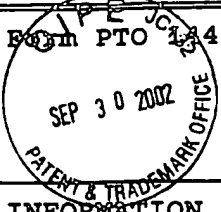
EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)
Cw	WO 95/10630	4/20/95	PCT			
	WO 97/00690	1/9/97	PCT			
	WO 98/39429	9/11/98	PCT			
	WO 99/27112	6/3/99	PCT			
	WO00/20587	4/13/00	PCT			
	WO 01/51641 (original and corrected verison)	7/19/01	PCT			

TECH CENTER 1600/2370

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

EXAMINER <i>Mary B. Miller</i>	DATE CONSIDERED 1/22/04
-----------------------------------	----------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

	US Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-LJ 5037	SERIAL NO. 10/001,254
		APPLICANT: Reed et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE: November 15, 2001	GROUP: 1642

### U.S. PATENT DOCUMENTS


EXAM. INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE

### FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)
W	WO 95/10630	04/20/95	PCT			
I	WO 98/39429	09/11/98	PCT			

### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

W	Berger et al., "The apoptosis mediator mDAP-3 is a novel member of a conserved family of mitochondrial proteins," <u>Journal of Cell Science</u> , 113:3603-3612 (2000).
W	Feinstein et al., "The death domain: a module shared by proteins with diverse cellular functions," <u>Trends in Biochemical Sciences</u> , 20:342-344 (1995).

EXAMINER 	DATE CONSIDERED 1/22/04
---	----------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1449.pat

RECEIVED

OCT 02 2002

TECH CENTER 1600/2900

Form PTO 1449 U.S. Department of Commerce Patent and Trademark Office SEP 30 2002 PATE & TRADEMARK OFFICE	ATTY DOCKET NO: P-LJ 5037	SERIAL NO. 10/001,254
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE: November 15, 2001	GROUP: 1642

GW	Han et al., "MRIT, a novel death-effector domain-containing protein, interacts with caspases and Bcl <sub>x</sub> <sub>L</sub> and initiates cell death," <u>Proc. Natl. Acad. Sci. USA</u> , 94:11333-11338 (1997).
	Hofmann, K., "The modular nature of apoptic signaling proteins," <u>Cell. Mol. Life Sci.</u> , 55:1113-1123 (1999).
	Kumar et al., "Identification of a Novel Tumor Necrosis Factor- $\alpha$ -inducible Gene, SCC-S2, Containing the Consensus Sequence of a Death Effector Domain of Fas-associated Death Domain-like Interleukin-1 $\beta$ -converting Enzyme-inhibitory Protein," <u>J. Biol. Chem.</u> , 275:2973-2978 (2000).
	Liang and Fesik, "Three-dimensional Structures of Proteins Involved in Programmed Cell Death," <u>J. Mol. Biol.</u> , 274:291-302 (1997).
	Park et al., "Establishment of a High-Throughput Screening System for Caspase-3 Inhibitors," <u>Arch. Pharm. Res.</u> , 23:246-251 (2000).
	Reed and Tomaselli, "Drug discovery opportunities from apoptosis research," <u>Current Opin. Biotech.</u> , 11:586-592 (2000).

RECEIVED

OCT 02 2002

TECH CENTER 1600/2900

EXAMINER GW	DATE CONSIDERED 1/22/04
----------------	----------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO 1449 U.S. Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-LJ 5037	SERIAL NO. 10/001,254
	APPLICANT: Reed et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE: November 15, 2001	GROUP: 1642

#### U.S. PATENT DOCUMENTS

EXAM. INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE

#### FOREIGN PATENT DOCUMENTS

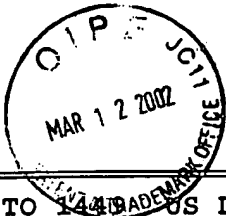
EXAM. INITIALS		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION (YES/NO)

#### OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages)

		Altschul et al., "Basic local alignment search tool," <u>J. Mol. Biol.</u> 215:403-410 (1990).
		Altschul et al., "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs," <u>Nucleic Acids Res.</u> 25:3389-3402 (1997).
		Ashkenazi and Dixit, "Death receptors: signaling and modulation," <u>Science</u> 281:1305-1308 (1998).

EXAMINER 	DATE CONSIDERED 1/22/04
--------------	----------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

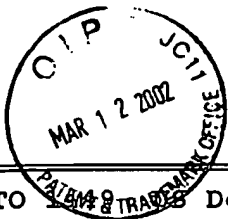


Form PTO 1449 US Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-LJ 5037	SERIAL NO. 10/001,254
	APPLICANT: Reed et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE: November 15, 2001	GROUP: 1642

CW	Boldin et al., "Involvement of MACH, a novel MORT1/FADD-interacting protease, in Fas/Apo-1- and TNF receptor-induced cell death," <u>Cell</u> 85: 803-815 (1996).
	Campbell et al., "The development of chlamydia trachomatis inclusions within the host eukaryotic cell during interphase and mitosis," <u>J. Gen. Micro.</u> 135:1153-1165 (1989).
	Deveraux et al., "X-linked IAP is a direct inhibitor of cell death proteases," <u>Nature</u> 388:300-304 (1997).
	Eberstadt et al., "NMR structure and mutagenesis of the FADD (Mort1) death-effector domain," <u>Nature</u> 392:941-945 (1998).
	Estojak et al., "Correlation of two-hybrid affinity data with in vitro measurements," <u>Mol. Cell Biol.</u> 15:5820 (1995).
	Fan et al., "Inhibition of apoptosis in Chlamydia-infected cells: blockade of mitochondrial cytochrome c release and caspase activation," <u>J. Exp. Med.</u> 187:487-497 (1998).
	Gibellini et al., "Induction of apoptosis by Chlamydia psittaci and Chlamydia trachomatis infection in tissue culture cells," <u>Zentralblatt fur Bakteriologie</u> 288:35-43 (1998).
	Gish and States, "Identification of protein coding regions by database similarity search," <u>Nature Genet.</u> 3:266-272 (1993).
	Grutter, "Caspases: key player in programmed cell death," <u>Curr. Opin. Struct. Biol.</u> 10:649-655 (2000).
	Haraguchi et al., "Apoptotic protease activating factor 1 (Apaf-1)-independent cell death suppression by Bcl-2," <u>J. Exp. Med.</u> 191:1709-1720 (2000).

EXAMINER CW	DATE CONSIDERED 1/22/04
----------------	----------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

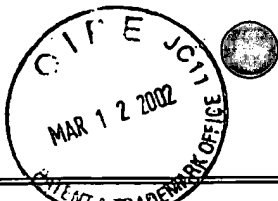


Form PTO 1449 Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-LJ 5037	SERIAL NO. 10/001,254
	APPLICANT: Reed et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE: November 15, 2001	GROUP: 1642

Cu		Hauser and Engel, "Pseudomonas aeruginosa induces type-III-secretion-mediated apoptosis of macrophages and epithelial cells," <u>Infect. Immun.</u> 67:5530-5537 (1999).
		Hersh et al., "The Salmonella invasion SipB induces macrophage apoptosis by binding to caspase-1" <u>Proc. Natl. Acad. Sci. USA</u> 96:2396-2401 (1999).
		Jaroszewski et al., "Fold prediction by a hierarchy of sequence threading and modeling methods," <u>Protein Science</u> 7:1431-1440 (1998).
		Juo et al., "Essential requirement for caspase-8/FLICE in the initiation of the Fas-induced apoptotic cascade," <u>Curr. Biol.</u> 8:1001-1008 (1998).
		Kischkel et al., "Apo2L/TRAIL-dependent recruitment of endogenous FADD and caspase-8 death receptors 4 and 5," <u>Immunity</u> 12:611-620 (2000).
		Kissil et al., "Isolation of DAP3, a novel mediator of interferon- $\gamma$ -induced cell death," <u>J. Biol. Chem.</u> 270: 27932-27936 (1995).
		Kissil et al., "Structure-function analysis of an evolutionary conserved protein, DAP3, which mediates TNF- $\alpha$ - and Fas-induced cell death," <u>EMBO J.</u> 18:353-362 (1999).
		Leo et al., "Differential requirements for tumor necrosis factor receptor-associated factor family proteins in CD40-mediated induction of NF-KB and jun N-terminal kinase activation," <u>J. Biol. Chem.</u> 274:22414-22422 (1999).
		Li et al., "Saturated BLAST: an automated multiple intermediate sequence search used to detect distant homology," <u>Bioinformatics</u> 16:1105-1110 (2000).
		Madden et al., "Applications of Network BLAST server," <u>Meth. Enzymol.</u> 266: 131-141 (1996).

EXAMINER Cu	DATE CONSIDERED 1/22/04
----------------	----------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO 1449-005 Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-LJ 5037	SERIAL NO. 10/001,254
	APPLICANT: Reed et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE: November 15, 2001	GROUP: 1642

<i>in</i>	Matsuzawa et al., "p53-inducible human homologue of <i>Drosophila</i> seven in absentia (Siah) inhibits cell growth: suppression by BAG-1," <u>EMBO J.</u> 17:2736-2747 (1998).
	Muzio et al. "An induced proximity model for caspase-8 activation," <u>J. Biol. Chem.</u> 273:2926-2930 (1998).
	Muzio et al., "FLICE, a novel FADD-homologous ICE/CED-3-like protease, is recruited to the CD95 (Fas/APO-1) death-inducing signaling complex," <u>Cell</u> 85:817-827 (1996).
	Nagata, S., "Fas-induced apoptosis, and disease caused by abnormality," <u>Genes Cells</u> 1:873-879 (1996).
	Oddo et al., "Fas ligand-induced apoptosis of infected human macrophages reduces the viability of intracellular Mycobacterium tuberculosis," <u>J. Immunol.</u> 160:5448-5454 (1998).
	Ojcius et al., "Apoptosis of epithelial cells and macrophages due to infection with the obligate intracellular pathogen Chlamydia psittaci," <u>J. Immunol.</u> 161:4220-4226 (1998).
	Ojcius et al., "Enhancement of ATP levels and glucose metabolism during an infection by Chlamydia," <u>J. Biol. Chem.</u> 273:7052-7058 (1998).
	Sali, A. and Blundell, T., "Comperative protein modelling by satisfaction of spatial restraints," <u>J. Mol. Biol.</u> 234:779-815 (1993).
	Salvesen and Dixit, "Caspase activation: the induced-proximity model," <u>Proc. Natl. Acad. Sci. USA</u> 96:10964-10967 (1999).
	Salvasen et al., "Caspase 8: igniting the death machine," <u>Structure Fold. Des.</u> 7:R225-229 (1999).
	Sato et al., "A novel member of TRAF family of putative signal transducing proteins binds to the cytosolic domain of CD40," <u>FEBS Lett.</u> 358:113-118 (1995).

EXAMINER <i>in</i>	DATE CONSIDERED <i>1/22/04</i>
--------------------	--------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO 1449 US Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-LJ 5037	SERIAL NO. 10/001,254
	APPLICANT: Reed et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE: November 15, 2001	GROUP: 1642

<i>ai</i>	Sato et al., "FAP-1: A protein tyrosine phosphatase that associates with Fas," <u>Science</u> 268:411-415 (1995).
	Sato et al., "Interactions among members of the Bcl-2 protein family analyzed with a yeast two-hybrid system," <u>Proc. Natl. Acad. Sci. USA</u> 91:9238-9242 (1994).
	Scanlan et al., "Antigens recognized by autologous antibody in patients with renal-cell carcinoma," <u>Int. J. Cancer</u> 83: 456-464 (1999).
	Schneider et al., "Characterization of two receptors for TRAIL," <u>FEBS Lett.</u> 416: 329-334 (1997).
	Schneider et al. "TRAIL receptors 1 (DR4) and 2 (DR5) signal FADD-dependent apoptosis and activate NF- $\kappa$ B," <u>Immunity</u> 7:831-836 (1997).
	Sprick et al., "FADD/MORT1 and caspase-8 recruited to TRAIL receptors 1 and 2 and are essential for apoptosis mediated by TRAIL receptor 2," <u>Immunity</u> 12:599-609 (2000).
	Srinivasula et al., "Autoactivation of procaspase-9 by Apaf-1-mediated oligomerization," <u>Mol. Cell</u> 1:949-957 (1998).
	Stegh, et al., "DEDD, a novel death effector domain-containing protein, targeted to the nucleolus," <u>EMBO J.</u> 17:5974-5986 (1998).
	Takayama et al., "BAG-1 modulates the chaperone activity of Hsp70/Hsc70," <u>EMBO J.</u> 16:4887-4896 (1997).
	Tatusova and Madden, "BLAST 2 sequences, a new tool for comparing protein and nucleotide sequences," <u>FEMS Microbiol. Lett.</u> 174:247-250 (1999).
	Thornberry et al., " A combinatorial approach defines specificities of members of the caspase family and granzyme B," <u>J. Biol. Chem.</u> 272:17907-17911 (1997).

EXAMINER <i>ai</i>	DATE CONSIDERED <i>1/22/04</i>
--------------------	--------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



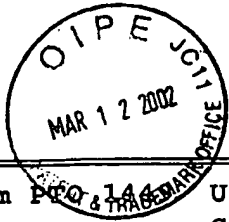


Form PTO 1449 US Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-LJ 5037	SERIAL NO. 10/001,254
	APPLICANT: Reed et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE: November 15, 2001	GROUP: 1642

<i>an</i>		Torii et al., "Human daxx regulates fas-induced apoptosis from nuclear PML oncogenic domains (PODs). <u>EMBO J.</u> 18:6037-6049 (1999).
		Tyers and Jorgesen, "Proteolysis and the cell cycle: with this RING I do thee destroy," <u>Curr. Opin. Genet. Dev.</u> 10:54-64 (2000).
		van der Biezen and Jones, "The NB-ARC domain: a novel signalling motif shared by plant resistance gene products and regulators of cell death in animals," <u>Curr. Biol.</u> 8:R226-R227 (1998).
		Varfolomeev et al., "Targeted disruptions of the mouse caspase 8 gene ablates cell death induction by the TNF receptors, Fas/Apol, and is lethal prenatally," <u>Immunity</u> 9:267-276 (1998).
		Walczak et al., "TRAIL-R2: a novel apoptosis-mediating receptor for TRAIL," <u>EMBO J.</u> 16:5386-5397 (1997).
		Wallach et al., "Tumor necrosis factor receptor and Fas signaling mechanisms," <u>Annu. Rev. Immunol.</u> 17:331-367 (1999).
		Wang and Lenardo, "Molecules involved in cell death and peripheral tolerance," <u>Curr. Opin. Immunol.</u> 9:818-825 (1997).
		Yang et al., "Essential role of CED-4 oligomerization in CED-3 activation and apoptosis," <u>Science</u> 281:1355-1357 (1998).
		Zhang and Madden, "PowerBLAST: a new network BLAST application for interactive or automated sequence analysis and annotation," <u>Genome Res.</u> 7:649-656 (1997).
		Zychlinsky et al., "Shigella flexneri induces apoptosis in infected macrophages," <u>Nature</u> 358:167-169 (1992).
		GenBank Accession No.: AA114228; GI No.: 1668121
		GenBank Accession No.: AA218681; GI No.: 1832773
		GenBank Accession No.: AAD42884; GI No.: 5360131

EXAMINER <i>an</i>	DATE CONSIDERED <i>1/22/04</i>
-----------------------	-----------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449 US Department of Commerce Patent and Trademark Office	ATTY DOCKET NO: P-LJ 5037	SERIAL NO. 10/001,254
	APPLICANT: Reed et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	FILING DATE: November 15, 2001	GROUP: 1642

<i>aw</i>	GenBank Accession No.: AAF39693; GI No.: 7190927
	GenBank Accession No.: AC006486; GI No.: 4210498
	GenBank Accession No.: AE001331; GI No.: 3329046
	GenBank Accession No.: AF155118; GI No.: 5360130
	GenBank Accession No.: AI598730; GI No.: 4607778
	GenBank Accession No.: AV149215; GI No.: 5353348
	GenBank Accession No.: AW227145; GI No.: 6556441
	GenBank Accession No.: AW229739; GI No.: 6559035
	Genbank Accession No.: AW429324; GI No.: 6960635
	GenBank Accession No.: AW449244; GI No.: 6990020
	GenBank Accession No.: B72040; GI No.: 7468151
	GenBank Accession No.: BE242821; GI No.: 9094541
	GenBank Accession No.: BE797255; GI No.: 10218453
	GenBank Accession No.: NM016123; GI No.: 7705840
	GenBank Accession No.: NP004623; GI No.: 4758118
	GenBank Accession No.: NP057207; GI No.: 7705841
	Genbank Accession No.: X83544; GI No.: 1089849

EXAMINER <i>aw</i>	DATE CONSIDERED <i>1/22/04</i>
--------------------	--------------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.